

General

Title

Missed school days: number of school days that children missed in the past 12 months due to illness or injury.

Source(s)

Child and Adolescent Health Measurement Initiative (CAHMI). National Quality Measures Clearinghouse (NQMC) measure submission form: missed school days: number of school days that children missed in the past 12 months due to illness or injury. 2013 Apr. 12 p.

Measure Domain

Primary Measure Domain

Related Population Health Measures: Population Health State

Secondary Measure Domain

Does not apply to this measure

Brief Abstract

Description

This measure is used to assess the number of school days that children missed in the past 12 months due to illness or injury, based on parents' response to the following item on the 2011-12 National Survey of Children's Health (NSCH):

K7Q02: During the past 12 months, about how many days did [child] miss school because of illness or injury?

Response choices for the above question are "__ days," "None," "Entire school year," "Home schooled," "Did not go to school," "Don't know," and "Refused."

Rationale

Each missed school day contributes to a potential in disparities in learning. This outcome can help researchers and policy makers understand the complexity of children with special health care needs, as

well as formulate interventions that would decrease the impact of a chronic condition on the child.

The measure of missed school days shows the impact of a child's health on the child's social functioning and educational opportunities. Children with chronic conditions (CSHCN) report higher numbers of missed school days than non-CSHCN. In order to eliminate educational disparities among children living with illness, policy makers must understand the extent of missed school days across populations.

There is a broad range in the proportion of children who are missing more than two weeks of school across states. The range across states is 3.6% of children in Georgia to 10.6% of children living in West Virginia.

Evidence for Rationale

Child and Adolescent Health Measurement Initiative (CAHMI). National Quality Measures Clearinghouse (NQMC) measure submission form: missed school days: number of school days that children missed in the past 12 months due to illness or injury. 2013 Apr. 12 p.

Primary Health Components

Missed school days due to illness or injury; children

Denominator Description

Children age 6-17 years living in the United States who were enrolled in and attended a school other than home-school in the past 12 months for whom a 2011-12 National Survey of Children's Health (NSCH) was completed

Numerator Description

The number of days provided by the child's parent in response to the following question on the 2011-12 National Survey of Children's Health (NSCH):

K7Q02: During the past 12 months, about how many days did [child] miss school because of illness or injury?

See the related "Numerator Inclusions/Exclusions" field.

Evidence Supporting the Measure

Type of Evidence Supporting the Criterion of Quality for the Measure

A formal consensus procedure, involving experts in relevant clinical, methodological, public health and organizational sciences

One or more research studies published in a National Library of Medicine (NLM) indexed, peer-reviewed journal

Additional Information Supporting Need for the Measure

- Nationally, 22.9% of children age 6-17 years missed 0 days, 58.7% missed 1-5 days, 12.2% missed 6-10 days and 6.2% missed 11 or more days of school in the past 12 months.

- 14.9% of children with special health care needs (CSHCN) and 3.5% of non-CSHCN missed 11 or more school days due to illness in the past 12 months.
- 8.3% of publicly insured children and 5.2% of privately insured children missed 11 or more school days due to illness in the past 12 months.
- 8.0% of children whose care does not meet medical home criteria and 4.6% of children whose care does meet medical home criteria missed 11 or more schools days due to illness in the past 12 months.

Evidence for Additional Information Supporting Need for the Measure

The National Survey of Children's Health. [internet]. Baltimore (MD): Child and Adolescent Health Measurement Initiative (CAHMI); [accessed 2013 Dec 20]. [1 p].

Extent of Measure Testing

The National Center for Health Statistics (NCHS) conducted testing of the 2011-12 National Survey of Children's Health (NSCH) Computer-Assisted Telephone Interview (CATI) to make sure the entire survey instrument was functioning properly. A total of 95,677 surveys were completed nationally for children between the ages of 0 and 17 years. The questionnaire was then revised and finalized based on feedback from participants in these interviews.

The Maternal and Child Health Bureau leads the development of the NSCH and National Survey of Children with Special Health Care Needs (NS-CSHCN) survey and indicators, in collaboration with the NCHS and a national technical expert panel. The expert panel includes representatives from other federal agencies, state Title V leaders, family organizations, and child health researchers, and experts in all fields related to the surveys (adolescent health, family and neighborhoods, early childhood and development, etc.). Previously validated questions and scales are used when available. Extensive literature reviewing and expert reviewing of items is conducted for all aspects of the survey. Respondents' cognitive understanding of the survey questions is assessed during the pretest phase and revisions made as required. All final data components are verified by NCHS and Data Resource Center/Child and Adolescent Health Measurement Initiative (DRC/CAHMI) staff prior to public release. Face validity is conducted in comparing results with prior years of the survey and/or results from other implementations of items. No specific reliability results are available for this measure.

Evidence for Extent of Measure Testing

Blumberg SJ, Foster EB, Frasier AM, Satorius J, Skalland BJ, Nysse-Carris KL, Morrison HM, Chowdhury SR, O'Connor KS. Design and operation of the National Survey of Children's Health, 2007. *Vital Health Stat 1*. 2012 Jun;(55):1-149. [PubMed](#)

Child and Adolescent Health Measurement Initiative (CAHMI). National Quality Measures Clearinghouse (NQMC) measure submission form: missed school days: number of school days that children missed in the past 12 months due to illness or injury. 2013 Apr. 12 p.

Section 7: middle childhood & adolescence. In: Summary of 2007 NSCH pretest results. Baltimore (MD): Child and Adolescent Health Measurement Initiative (CAHMI); p. 14.

State of Use of the Measure

State of Use

State or territory

Current routine use

Current Use

not defined yet

Application of the Measure in its Current Use

Measurement Setting

National Public Health Programs

Professionals Involved in Delivery of Health Services

not defined yet

Least Aggregated Level of Services Delivery Addressed

State/Provincial

Statement of Acceptable Minimum Sample Size

Unspecified

Target Population Age

Ages 6 to 17 years

Target Population Gender

Either male or female

National Framework for Public Health Quality

Public Health Aims for Quality

Population-centered

National Strategy for Quality Improvement in Health Care

National Quality Strategy Priority

Institute of Medicine (IOM) National Health Care Quality Report Categories

IOM Care Need

Not within an IOM Care Need

IOM Domain

Not within an IOM Domain

Data Collection for the Measure

Case Finding Period

Unspecified

Denominator Sampling Frame

Geographically defined

Denominator (Index) Event or Characteristic

Geographic Location

Patient/Individual (Consumer) Characteristic

Denominator Time Window

not defined yet

Denominator Inclusions/Exclusions

Inclusions

Children age 6-17 years living in the United States who were enrolled in and attended a school other than home-school in the past 12 months for whom a 2011-12 National Survey of Children's Health (NSCH) was completed

Exclusions

Unspecified

Exclusions/Exceptions

not defined yet

Numerator Inclusions/Exclusions

Inclusions

The number of days provided by the child's parent in response to the following question on the 2011-12 National Survey of Children's Health (NSCH):

K7Q02: During the past 12 months, about how many days did [child] miss school because of illness or injury?

Exclusions

The child is excluded if the parent did not provide an answer for the above question.

Numerator Search Strategy

Fixed time period or point in time

Data Source

Patient/Individual survey

Type of Health State

Proxy for Health State

Instruments Used and/or Associated with the Measure

2011-12 National Survey of Children's Health (NSCH)

Computation of the Measure

Measure Specifies Disaggregation

Does not apply to this measure

Scoring

Composite/Scale

Frequency Distribution

Interpretation of Score

Desired value is a lower score

Allowance for Patient or Population Factors

not defined yet

Description of Allowance for Patient or Population Factors

This measure, administered in its most recent form (in the 2011-12 National Survey of Children's Health

[NSCH]), includes a number of child demographic variables that allow for stratification of the findings by possible vulnerability:

- Age
- Gender
- Geographic location
- Race/ethnicity
- Health insurance - status, type, consistency, adequacy
- Primary household language
- Household income
- Special Health Care Needs - status and type
- Family structure
- Emotional, behavioral or developmental issues
- Presence of a medical home

Standard of Comparison

not defined yet

Identifying Information

Original Title

Number of school days children miss due to illness.

Measure Collection Name

2011/12 National Survey of Children's Health

Submitter

Child and Adolescent Health Measurement Initiative - Nonprofit Organization

Developer

Child and Adolescent Health Measurement Initiative - Nonprofit Organization

Maternal and Child Health Bureau of the Health Resources and Service Administration - Federal Government Agency [U.S.]

National Center for Health Statistics of the Centers for Disease Control and Prevention - Federal Government Agency [U.S.]

Funding Source(s)

Maternal and Child Health Bureau of the Health Resources and Service Administration

Composition of the Group that Developed the Measure

External (non-governmental) technical expert panel members (2006): Paul Newacheck, DrPH, MPP

(Chairperson) (University of California, San Francisco); Maja Altarac, MD, PhD (University of Alabama at Birmingham); Christina Bethell, PhD, MBA, MPH (Oregon Health and Science University); Neal Halfon, MD (University of California, Los Angeles); William Hollinshead, MD (Rhode Island Department of Health); Charles Irwin, MD (University of California, San Francisco); Jeffrey Lobas, MD, MPA (Iowa Child Health Specialty Clinics); Kristin Anderson Moore, PhD (Child Trends); Lynn Olson, PhD (American Academy of Pediatrics); Edward Schor, MD (The Commonwealth Fund); Judith Shaw, EdD, MPH, RN (University of Vermont)

Financial Disclosures/Other Potential Conflicts of Interest

The Child and Adolescent Health Measurement Initiative is partially supported by Cooperative Agreement 1-U59MC27866 from the Maternal and Child Health Bureau (MCHB), Health Resources and Services Administration, U.S. Department of Health and Human Services. No conflicts of interest exist.

Adaptation

This measure was not adapted from another source.

Date of Most Current Version in NQMC

2013 Apr

Measure Maintenance

Every 4 years

Date of Next Anticipated Revision

No changes anticipated.

Measure Status

This is the current release of the measure.

This measure updates a previous version: National Survey of Children's Health. CATI instrument (full-length survey). Rockville (MD): Health Resources and Service Administration, Maternal and Child Health Bureau, and Centers for Disease Control and Prevention, National Center for Health Statistics; 2007. 112 p.

The measure developer reaffirmed the currency of this measure in October 2015.

Measure Availability

Source available from the [Centers for Disease Control and Prevention \(CDC\) National Center for Health Statistics Web site](#) .

For more information, contact CAHMI at 615 North Wolfe Street, Room E4640, Baltimore, MD 21205; Phone: 410-955-1848; Fax: 503-494-2473; E-mail: info@cahmi.org; Web site: www.cahmi.org .

Companion Documents

The following are available:

Blumberg SJ, Foster EB, Frasier AM, Satorius J, Skalland BJ, Nysse-Carris KL, Morrison HM, Chowdhury SR, O'Connor KS. Design and operation of the National Survey of Children's Health, 2007. *Vital Health Stat 1*. 2012 Jun;(55):1-149. This document is available from the [Centers for Disease Control and Prevention \(CDC\) National Center for Health Statistics Web site](#) .

Centers for Disease Control and Prevention (CDC), National Center for Health Statistics. 2011-2012 National Survey of Children's Health state and local area integrated telephone survey: frequently asked questions. Atlanta (GA): Centers for Disease Control and Prevention; 2013 Apr. 8 p. This document is available from the [CDC National Center for Health Statistics Web site](#) .

Child and Adolescent Health Measurement Initiative (CAHMI). 2011-2012 National Survey of Children's Health. SPSS code for data users: child health indicators and subgroups, version 1.0. Baltimore (MD): Data Resource Center for Child and Adolescent Health; 2013 Apr. 201 p. This document is available from the [Data Resource Center for Child and Adolescent Health Web site](#) .

NQMC Status

This NQMC summary was completed by ECRI Institute on October 13, 2011. The information was verified by the measure developer on November 3, 2011.

This NQMC summary was updated by ECRI Institute on May 13, 2014. The information was verified by the measure developer on June 18, 2014.

The information was reaffirmed by the measure developer on October 27, 2015.

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No copyright restrictions apply.

Production

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